

DOE laser, green, 532 nm, 18°, 5 mW

DOE281-532-5-3(16x90)-NT
Order Number: 70119466

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 532 | | nm |
| Optical Output Power | | 5 | | mW |
| Operating Voltage | 2.7 | 3 | 3.3 | V DC |
| Operating Current | 125 | 250 | 375 | mA |
| Operating Temperature | 15 | | 30 | °C |
| Storage Temperature | -40 | | 80 | °C |

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
RoHS yes

Optical Parameters

| | |
|--------------------|------------------------|
| Beam Shape | DOE |
| Laser Class | 2M |
| Divergence | D - 0.5 mrad |
| Fan Angle | 18° |
| Operating Distance | 3m |
| Optics | acryl lense |
| Laser technology | Solid State (YVO4+KTP) |
| Stability | +/- 20% @ 15-30°C |
| Protection Lens | yes |
| Focus | fixed |
| Warm up time | < 15 min |

Electrical Parameters

| | |
|----------------------|---|
| Potential of Housing | VDD(+) |
| Connector | 2.5 mm DC plug (GND pole inner) |
| Power Supply | Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative |

Mechanical Parameters

| | |
|-----------------|-----------|
| Size | Ø16x90 mm |
| Material | aluminium |
| Cable length | 1,360 mm |
| Output Aperture | 6 mm |
| Housing Color | cyan |
| Weight | 43 g |

DOE

| | |
|---------------------------|--------|
| Alpha | 16° |
| Beta | 1.6° |
| a | 28 mm |
| b | 2.8 mm |
| Diameter (without holder) | 8 mm |
| Width (without Holder) | 1 mm |
| Material | PMMA |

(*) Over the complete operating temperature range

Features



- DOE Laser
- Image processing
- Laser Class 2M
- Compact size

Picture



Safety Label



Valid Revision